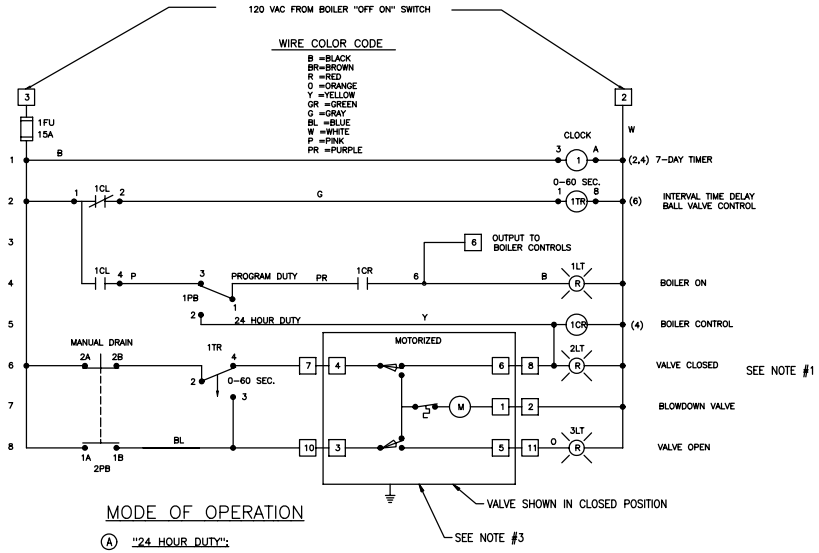
DWG NO 337-300191-001 SHT 1

REVISIONS							
ZONE	REV	DESCRIPTION	DATE	DWN	CHKR	ENGR	APVD
–	2	REVISED AND REDRAWN	7-6-1987	RDG		JK	
–	3	ADDED CUT CORNER OF INSULATION ADDED "DO NOT REMOVE INSULATOR."	7-6-1987	LAH		MJ	
–	4	ADDED MODE OF OPERATION	6-23-1989	KWT			
ALL	5	ADDED NOTE #3, ECN:10398.	7/22/2003	ALT	RCJ	MLJ	LTA



MODE OF OPERATION

(A) "24 HOUR DUTY":

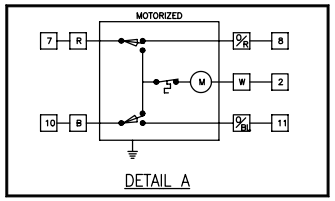
SYSTEM IS ENERGIZED 24 HOURS PER DAY.
BLOWDOWN OCCURS AT THE BEGINING OF EACH "OFF" CYCLE OF THE TIMECLOCK (SEE "AUTO BLOWDOWN CYCLE").

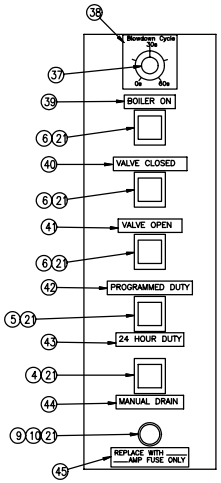
(B) "PROGRAM DUTY":

SYSTEM IS CONTROLLED BY THE 7 DAY TIMECLOCK.
BLOWDOWN OCCURS AT THE BEGINING OF EACH "OFF" CYCLE OF THE TIMECLOCK (SEE "AUTO BLOWDOWN CYCLE").

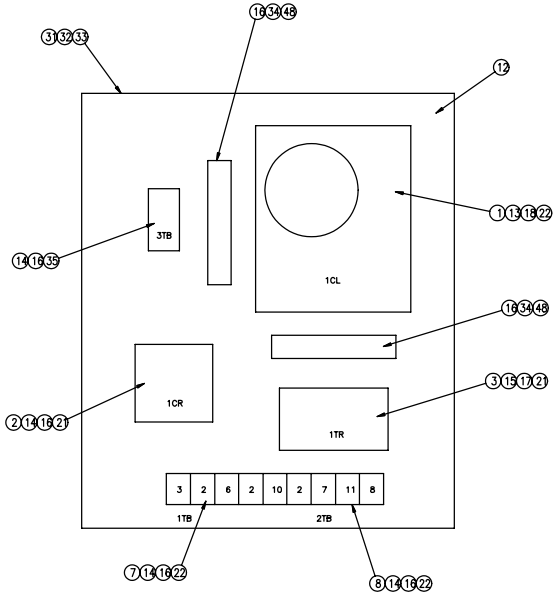
(C) "AUTO BLOWDOWN CYCLE":

BLOWDOWN OCCURS WHEN THE NORMALLY CLOSED CONTACT (CLOSED IN THE "OFF" POSITION) OF THE 7 DAY TIMECLOCK IS OPENED AND THEN CLOSED RESETING THE INTERVAL TIME DELAY RELAY "1TR".
DURING THE BLOWDOWN CYCLE, THE MOTORIZED VALVE "M" IS COMMANDED TO OPEN. THEN, AFTER "1TR" TIMES OUT, THE VALVE IS COMMANDED TO CLOSE UNTIL THE NEXT RESET INTERVAL OCCURS.





EXTERIOR SIDE



PANEL LAYOUT

NOTES:

1. SWITCH ORIENTED WITH TERMINAL 3 TOWARD TOP OF PANEL, TERMINAL 2 TOWARD BOTTOM OF PANEL.
2. ITEM 37 (POTENTIOMETER) CONNECTED TO TERMINALS 9 & 10 ON ITEM 3 (TIME DELAY RELAY). POTENTOMETER MINIMUM RESISTANCE IS MINIMUM TIME DELAY.
3. MOTORIZED BALL VALVE SHOWN IS FOR JAMESBURY EU12-01M ACTUATOR. DETAIL "A" IS FOR BLOWDOWN SYSTEMS THAT USED JAMESBURY EL-20 ACTUATOR WHICH IS NOW OBSOLETE.

(36) CUT INSULATION 12"X 14", CUT UPPER RIGHT CORNER TO EXPOSE 7-DAY CLOCK DIAL INSTALL WITH (48) SCREWS
(46) ATTACH LABEL TO EXTERIOR BOX DOOR.
(47) MARK INSULATOR "DO NOT REMOVE INSULATOR."

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/32 DECIMALS .XX ±0.01 .XXX ±0.005 ANGLES ±2°
MATERIALS
FINISH
THIS DRAWING AND THE SUBJECT MATTER SHOWN HEREON IS CONSIDERED CONFIDENTIAL AND MAY BE PROPRIETARY. UN-AUTHORIZED DISCLOSURE TO OTHER PARTIES IS EXPRESSLY FORBIDDEN.

CONTRACT NO
USED ON

APPROVALS		DATE
DWN	RDG	6/30/1987
CHKR	JK	6/30/1987
ENGR		
APVD	JK	6/30/1987
DWG		CO#
CAD NO		

Chromalox® PRECISION HEAT AND CONTROL
Ogden, Utah 84404
www.chromalox.com

WIRING DIAGRAM AUTO BLOWDOWN SYSTEM

SIZE	CODE IDENT NO	DRAWING NO	REV
D	07131	337-300191-001	5

SCALE FULL | DO NOT SCALE DRAWING | SHEET 1 OF 1